

## CLAIMS

1. A fabric electrode arrangement (10) exhibiting a first surface (13) for application to the skin of a mammal, wherein said fabric electrode arrangement comprises at least one portion of material (14) being substantially impermeable to moisture, said material being located on said first surface (13).

2. An electrode arrangement in accordance with claim 1 wherein said at least one portion of material (14) is located directly on said first surface (13).

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3. An electrode arrangement in accordance with claim 1 or 2 wherein said at least one portion of material (14) is bonded to said first surface (13).

4. An electrode arrangement in accordance with claim 1, 2, or 3 wherein said at least one portion of material (14) is mechanically flexible.

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5. An electrode arrangement in accordance with any one or more of claims 1 to 4 wherein said at least one portion of material (14) is silicone rubber loaded with conductive material.

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6. An electrode arrangement in accordance with claim 5 wherein said conductive material is carbon black.

7. An electrode arrangement in accordance with any one or more of claims 1 to 6 wherein said at least one portion of material exhibits a resistivity of less than 10,000 ohms per square.

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8. An electrode arrangement in accordance with any one or more of claims 1 to 7 wherein the at least one portion of material (14) or a plurality of such portions collectively occupy a proportion of between one fifth and one half inclusive of that area of the first surface (13) intended to be applied to the skin.

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9. An electrode arrangement in accordance with any one or more of claims 1 to 8 wherein said arrangement has an electrode portion (12) that is of a knitted construction or a woven construction.

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10. An electrode arrangement in accordance with any one or more of claims 1 to 9 wherein said electrode arrangement is integral with a garment.

11. A substantially textile article comprising the fabric electrode arrangement of any one or more of claims 1 to 10.

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12. A wearable article comprising the fabric electrode arrangement of any one or more of claims 1 to 10.

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13. A garment comprising a fabric electrode arrangement exhibiting a first surface (13) for application to the skin of a mammal, wherein said fabric electrode arrangement comprises at least one portion of material (14) being substantially impermeable to moisture, said material being located on said first surface.

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